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CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**COUNTRY **Yugoslavia**SUBJECT **Activities of Pasteur Institute at  
Novi Sad**

REPORT

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THIS IS UNEVALUATED INFORMATION

1. The Pasteur Institute is concerned entirely with rabies research and the production of all of the human rabies vaccine in Yugoslavia. No other biological products are made nor is any canine rabies vaccine produced at Novi Sad. The Director of the Institute is Dr. (fnu) Nicolic who is one of the very well known rabies workers in the world. During the past several years he has been a more or less controversial figure sharing many of the views of Dr. (fnu) Remlinger of Targier Pasteur Institute. Some of the areas of disagreement between Nicolic and the WHO expert panel are in the use of hyperimmune rabies antisera about which he remains unconvinced.
2. The type of vaccine used in Yugoslavia is the Hempt vaccine prepared from sheep brains by ether and phenol treatment. 80 thousand doses of Hempt vaccine are produced each year at the Institute. About 15 thousand complete treatments are administered each year in the country (to roughly one out of every thousand of the population.) One dose consists of 5 cc of 1/11 suspension of inactivated fixed virus brain tissue. The treatment varies between three and six doses depending upon the severity of the exposure. The following four classifications deal with the biting animal:

- a. Diagnosed rabid by laboratory confirmation,
- b. Diagnosed rabid by clinical methods,
- c. Unknown, suspicious or disappeared,
- d. Known and no reason for suspicion of rabies.

There are two classifications for types of exposure:

- a. Contact only on unbroken skin,
- b. Actual bite.

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- 2 -

3. [ ] not familiar with the canine rabies vaccine nor the vaccination campaigns held in the country. [ ] the last campaign which was conducted in the Province of Vovydina. In this campaign the vaccine was produced at the Veterinary Institute at Kolinovicia (10 miles from Zagreb) by Dr. (fnu) Kodrnja. This was during October and November, 1953, and in those two months 256,000 dogs were vaccinated throughout the province. The vaccine used was one gram of Hempt vaccine in a 10 cc dose. The program was sponsored by the Province of Vovvodina and carried out by the official rabies committee of the province consisting of two government physicians and two government veterinarians. A charge of 100 dinars (US\$.30) per dog was made which included official registration, tag and certificate.

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